



1

SEQUENCE LISTING

<110> GLIMCHER, LAURIE H.
DOUHAN III, JOHN

<120> HUMAN C-MAF COMPOSITIONS AND METHODS OF USE THEREFOR

<130> HUI-027CPDV1

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<141> 2001-06-12

<150> 09/086,010

<151> 1998-05-27

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<170> PatentIn Ver. 3.3

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aaa	aag	gaa	ccg	gtg	gag	acc	gac	cgc	atc	atc	agc	cag	tgc	ggc	cgt	144
Lys	Lys	Glu	Pro	Val	Glu	Thr	Asp	Arg	Ile	Ile	Ser	Gln	Cys	Gly	Arg	
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ctc	atc	gcc	ggg	ggc	tcg	ctg	tcc	tcc	acc	ccc	atg	agc	acg	ccc	tgc	192
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 Tyr Pro Gln Gln Leu Asn Pro Glu Ala Leu Gly Phe Ser Pro Glu Asp
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Glu Arg Asp Ala Tyr Lys Glu Lys Tyr Glu Lys Leu Val Ser Asn Gly	
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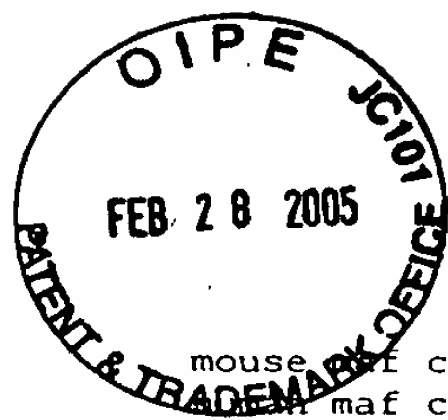
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Glu	Arg	Asp	Ala	Tyr	Lys	Glu	Lys	Tyr	Glu	Lys	Leu	Val	Ser	Asn	Gly			
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Phe	Arg	Glu	Asn	Gly	Ser	Ser	Ser	Asp	Asn	Pro	Ser	Ser	Pro	Glu	Phe			
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Phe	Met																	
	370																	



mouse maf cod
human maf cod

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SEQ ID NO:3
SEQ ID NO:1

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mouse maf cod
human maf cod

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mouse maf cod
human maf cod

CCGTCTCATCGCCGGGGGCTCGCTGTCTCCACCCCCATGAGCACGCCCTGCAGCTCGGTGCCCCCGTCC
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SEQ ID NO:3
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mouse maf cod
human maf cod

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SEQ ID NO:3
SEQ ID NO:1

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mouse maf cod
human maf cod

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TGACCGGCTACCCGCAGCAGCTGAACCCGGAGGCGCTGGGCTTCAGCCCGGAGGACGCGGTTCGAGGCGCT

SEQ ID NO:3
SEQ ID NO:1

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mouse maf cod
human maf cod

CATCAGCAACAGCCACCAGCTCCGGGGTGGCTTCGATGGCTATGCGCGGGGGGCCACCAGCTGGCCGCG
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SEQ ID NO:3
SEQ ID NO:1

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mouse maf cod
human maf cod

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GCGGCGGGGGCCGGTCCCGGCGCCTCCTTGGGCGGCAGCGGCGAGGAGATGGGCCCCGCCGCCCGTGG

SEQ ID NO:3
SEQ ID NO:1

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mouse maf cod
human maf cod

TGTCCGCCGTATCGCCCGGCGCCCGCGCAGAGCGGCGCGGGCCCCGACTACCATCACCACCACCA
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SEQ ID NO:3
SEQ ID NO:1

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mouse maf cod
human maf cod

CGCCGCGGGGACCAACCACCATCCGACGGCGCGCGCGGGCGCGCGGGCGGGCGGCGGTCTTCTTCTTCG
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SEQ ID NO:3
SEQ ID NO:1

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mouse maf cod
human maf cod

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SEQ ID NO:3
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FIGURE 1A

Title: HUMAN C-MAF COMPOSITIONS AND METHODS OF USE
THEREFOR
REPLACEMENT SHEET

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mouse maf cod		GGGGCGGGGGGGGGGGCGGGGGGGCGCCCTTCACCCGCACCATTCGCGGGGCGGCCTGCACTTCGACGACCG	SEQ ID NO:3
human maf cod		GAGGCGGGGGGGGGGGCGGGGGGGCGCCCTTCACCCGCACCATTCGCGGGGCGGCCTGCACTTCGACGACCG	SEQ ID NO:1
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mouse maf cod		CTTCTCGGACGAGCAGTTGGTGACCATGTCTGTGCGCGACTTGAACCGGCAGCTGCGCGGGGTGAGCAAG	SEQ ID NO:3
human maf cod		CTTCTCGGACGAGCAGTTGGTGACCATGTCTGTGCGCGACTTGAACCGGCAGCTGCGCGGGGTGAGCAAG	SEQ ID NO:1
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		850 860 870 880 890 900 910	
mouse maf cod		GAGGAGGTGATCCGGCTGAAGCAGAAGAGGCGGACCCTGAAAAACCGCGGCTATGCCAGTCCTGCCGCT	SEQ ID NO:3
human maf cod		GAGGAGGTGATCCGGCTGAAGCAGAAGAGGCGGACCCTGAAAAACCGCGGCTATGCCAGTCCTGCCGCT	SEQ ID NO:1
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mouse maf cod		TCAAGAGGGTGCAGCAGAGACACGTCCTGGAGTCGGAGAAGAACCAGCTGCTGCAGCAGGTGACACCT	SEQ ID NO:3
human maf cod		TCAAGAGGGTGCAGCAGAGACACGTCCTGGAGTCGGAGAAGAACCAGCTGCTGCAGCAGGTGACACCT	SEQ ID NO:1
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human maf cod		CTCGCAAGTTGGAGCCATCAGTGGGATACGCCACATTTTGAAGCCCCAGCATCGTGTACTTACCAGTGT	SEQ ID NO:1
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human maf cod		GTTCAAAAATGA	SEQ ID NO:1

FIGURE 1B

App No.: 09/879312 Docket No.: HUI-027CPDV.1
Inventor: Laurie H. GLIMCHER et al.
Title: HUMAN C-MAF COMPOSITIONS AND METHODS OF USE
THEREFOR
REPLACEMENT SHEET

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mouse c-maf t		PSFSAPSPGSGGEQKAHLEDYYWMTGYPOQLNPEALGFSPEDAVEALISNSHQGGFDGYARGAQQLAA	SEQ ID NO:4
human c-maf t		PSFSAPSPGSGGEQKAHLEDYYWMTGYPOQLNPEALGFSPEDAVEALISNSHQGGFDGYARGAQQLAA	SEQ ID NO:2
		AAGAGAGASLGGSGEEMGPAAAVVSAVIAAAAAQSGAGPHYHHHHHAAGHHHHPTAGAPGAAGGAAASA	
		150 160 170 180 190 200 210	
mouse c-maf t		AAGAGAGASLGGSGEEMGPAAAVVSAVIAAAAAQSGAGPHYHHHHHAAGHHHHPTAGAPGAAGGAAASA	SEQ ID NO:4
human c-maf t		AAGAGAGASLGGSGEEMGPAAAVVSAVIAAAAAQSGAGPHYHHHHHAAGHHHHPTAGAPGAAGGAAASA	SEQ ID NO:2
		GGAGGAGGGGPASVGGGGGGGGGGGGGGGAGGALHPHHAAGGLHFDDRFSDEQLVTMSVRDLNRQLRGVSK	
		220 230 240 250 260 270 280	
mouse c-maf t		GGAGGAGGGGPASVGGGGGGGGGGGGGGGAGGALHPHHAAGGLHFDDRFSDEQLVTMSVRDLNRQLRGVSK	SEQ ID NO:4
human c-maf t		GGAGGAGGGGPASVGGGGGGGGGGGGGGGAGGALHPHHAAGGLHFDDRFSDEQLVTMSVRDLNRQLRGVSK	SEQ ID NO:2
		EEVIRLKQKRRTLKNRGYAQSCRFRVQQRHVLESEKNQLLOQVDHLKQEIISRLVRERDAYKEYEKLVS	
		290 300 310 320 330 340 350	
mouse c-maf t		EEVIRLKQKRRTLKNRGYAQSCRFRVQQRHVLESEKNQLLOQVDHLKQEIISRLVRERDAYKEYEKLVS	SEQ ID NO:4
human c-maf t		EEVIRLKQKRRTLKNRGYAQSCRFRVQQRHVLESEKNQLLOQVDHLKQEIISRLVRERDAYKEYEKLVS	SEQ ID NO:2
		SGFRENGSSSDNPSSPEFFITEPTRKLEPSVGATFWKPQHRVLTSVFTK-	
		360 370 380 390 400	
mouse c-maf t		SGFRENGSSSDNPSSPEFFITEPTRKLEPSVGATFWKPQHRVLTSVFTK-	SEQ ID NO:4
human c-maf t		SGFRENGSSSDNPSSPEFFITEPTRKLEPSVGATFWKPQHRVLTSVFTK-	SEQ ID NO:2

FIGURE 2

		ATGGCTTCAGAACTGGCAATGAGCAATTCCGACCTGCCACCAGTCCCCTGGCCATGGAATATGTTAATG						
		10	20	30	40	50	60	70
mouse maf	cod	ATGGCTTCAGAACTGGCAATGAGCAATTCCGACCTGCCACCAGTCCCCTGGCCATGGAATATGTTAATG						
human maf	cod	ATGGCTTCAGAACTGGCAATGAGCAATTCCGACCTGCCACCAGTCCCCTGGCCATGGAATATGTTAATG						
		ACTTCGATCTGATGAAGTTTGAAGTGAAAAAGGAACCGGTGGAGACCGACCGCATCATCAGCCAGTGCGG						
		80	90	100	110	120	130	140
mouse maf	cod	ACTTCGATCTGATGAAGTTTGAAGTGAAAAAGGAACCGGTGGAGACCGACCGCATCATCAGCCAGTGCGG						
human maf	cod	ACTTCGATCTGATGAAGTTTGAAGTGAAAAAGGAACCGGTGGAGACCGACCGCATCATCAGCCAGTGCGG						
		CCGTCTCATCGCCGGGGGCTCGCTGTCTCCACCCCCATGAGCAGCCCTGCAGCTCGGTGCCCCCGTCC						
		150	160	170	180	190	200	210
mouse maf	cod	CCGTCTCATCGCCGGGGGCTCGCTGTCTCCACCCCCATGAGCAGCCCTGCAGCTCGGTGCCCCCGTCC						
human maf	cod	CCGTCTCATCGCCGGGGGCTCGCTGTCTCCACCCCCATGAGCAGCCCTGCAGCTCGGTGCCCCCGTCC						
		CCCAGCTTCTCGGCGCCAGCCCGGGCTCGGGCGGCGAACAGAAGGCGCACCTGGAAGACTACTACTGGA						
		220	230	240	250	260	270	280
mouse maf	cod	CCCAGCTTCTCGGCGCCAGCCCGGGCTCGGGCGGCGAACAGAAGGCGCACCTGGAAGACTACTACTGGA						
human maf	cod	CCCAGCTTCTCGGCGCCAGCCCGGGCTCGGGCGGCGAACAGAAGGCGCACCTGGAAGACTACTACTGGA						
		TGACCGGCTACCCGCGAGCAGCTGAACCCGGAGGCGCTGGGCTTCAGCCCGGAGGACGCGGTTCGAGGCGCT						
		290	300	310	320	330	340	350
mouse maf	cod	TGACCGGCTACCCGCGAGCAGCTGAACCCGGAGGCGCTGGGCTTCAGCCCGGAGGACGCGGTTCGAGGCGCT						
human maf	cod	TGACCGGCTACCCGCGAGCAGCTGAACCCGGAGGCGCTGGGCTTCAGCCCGGAGGACGCGGTTCGAGGCGCT						
		CATCAGCAACAGCCACCAGCTCCGGGGTGGCTTCGATGGCTATGCGCGGGGGGCCACCAGCTGGCCGCG						
		360	370	380	390	400	410	420
mouse maf	cod	CATCAGCAACAGCCACCAGCTCCGGGGTGGCTTCGATGGCTATGCGCGGGGGGCCACCAGCTGGCCGCG						
human maf	cod	CATCAGCAACAGCCACCAGCTCCGGGGTGGCTTCGATGGCTATGCGCGGGGGGCCACCAGCTGGCCGCG						
		GCGGCGGGGGCCGGTCCCGGCGCCTCCTTGGGCGGCAGCGGCGAGGAGATGGGCCCCGCGCCGCGCGTGG						
		430	440	450	460	470	480	490
mouse maf	cod	GCGGCGGGGGCCGGTCCCGGCGCCTCCTTGGGCGGCAGCGGCGAGGAGATGGGCCCCGCGCCGCGCGTGG						
human maf	cod	GCGGCGGGGGCCGGTCCCGGCGCCTCCTTGGGCGGCAGCGGCGAGGAGATGGGCCCCGCGCCGCGCGTGG						
		TGTCCGCGTTCATCGCCGCGGCCCGCGCGAGAGCGGCGCGGGCCCGCACTACCATCACCACCACCACCA						
		500	510	520	530	540	550	560
mouse maf	cod	TGTCCGCGTTCATCGCCGCGGCCCGCGCGAGAGCGGCGCGGGCCCGCACTACCATCACCACCACCACCA						
human maf	cod	TGTCCGCGTTCATCGCCGCGGCCCGCGCGAGAGCGGCGCGGGCCCGCACTACCATCACCACCACCACCA						
		CGCCGCGGGGCACCACCACCATCCGACGGCCGGCGCGCCGGGGCGCCGCGGGCGGCGGTCTTCTTCTTCG						
		570	580	590	600	610	620	630
mouse maf	cod	CGCCGCGGGGCACCACCACCATCCGACGGCCGGCGCGCCGGGGCGCCGCGGGCGGCGGTCTTCTTCTTCG						
human maf	cod	CGCCGCGGGGCACCACCACCATCCGACGGCCGGCGCGCCGGGGCGCCGCGGGCGGCGGTCTTCTTCTTCG						
		GGTGGCGCTGGTGGCGCGGGCGGCGGTGGCCCGGCCAGCGTTGGGGGGCGGCGGCGGCGGCGGCGGCGG						
		640	650	660	670	680	690	700
mouse maf	cod	GGTGGCGCTGGTGGCGCGGGCGGCGGTGGCCCGGCCAGCGTTGGGGGGCGGCGGCGGCGGCGGCGGCGG						
human maf	cod	GGTGGCGCTGGTGGCGCGGGCGGCGGTGGCCCGGCCAGCGTTGGGGGGCGGCGGCGGCGGCGGCGGCGG						

FIGURE 1A

		GGGGCGGGGGGGGGCGGGGGGGCGCCCTTCACCCGCACCATTCGCGGGGCGGCTGCACTTCGACGACCG						
		710	720	730	740	750	760	770
mouse maf cod		GGGGCGGGGGGGGGCGGGGGGGCGCCCTTCACCCGCACCATTCGCGGGGCGGCTGCACTTCGACGACCG						
human maf cod		GAGGCGGGGGGGGGCGGGGGGGCGCCCTTCACCCGCACCATTCGCGGGGCGGCTGCACTTCGACGACCG						
		CTTCTCGGACGAGCAGTTGGTGACCATGTCTGTGCGCGACTTGAACCGGCAGCTGCGCGGGGTCAGCAAG						
		780	790	800	810	820	830	840
mouse maf cod		CTTCTCGGACGAGCAGTTGGTGACCATGTCTGTGCGCGACTTGAACCGGCAGCTGCGCGGGGTCAGCAAG						
human maf cod		CTTCTCGGACGAGCAGTTGGTGACCATGTCTGTGCGCGACTTGAACCGGCAGCTGCGCGGGGTCAGCAAG						
		GAGGAGGTGATCCGGCTGAAGCAGAAGAGGCGGACCCTGAAAAACCGCGGCTATGCCAGTCCTGCCGCT						
		850	860	870	880	890	900	910
mouse maf cod		GAGGAGGTGATCCGGCTGAAGCAGAAGAGGCGGACCCTGAAAAACCGCGGCTATGCCAGTCCTGCCGCT						
human maf cod		GAGGAGGTGATCCGGCTGAAGCAGAAGAGGCGGACCCTGAAAAACCGCGGCTATGCCAGTCCTGCCGCT						
		TCAAGAGGGTGCAGCAGAGACACGTCTGGAGTCGGAGAAGAACCAGCTGCTGCAGCAGGTGACCACT						
		920	930	940	950	960	970	980
mouse maf cod		TCAAGAGGGTGCAGCAGAGACACGTCTGGAGTCGGAGAAGAACCAGCTGCTGCAGCAGGTGACCACT						
human maf cod		TCAAGAGGGTGCAGCAGAGACACGTCTGGAGTCGGAGAAGAACCAGCTGCTGCAGCAGGTGACCACT						
		TAAAGAGGAGATCTCCAGGCTGGTGCGCGAAGGGGACCGCTACAAGGAGAAATACGAGAAGCTGGTGAGC						
		990	1000	1010	1020	1030	1040	1050
mouse maf cod		CAAGCAGGAGATCTCCAGGCTGGTGCGCGAAGGGGACCGCTACAAGGAGAAATACGAGAAGCTGGTGAGC						
human maf cod		CAAGCAGGAGATCTCCAGGCTGGTGCGCGAAGGGGACCGCTACAAGGAGAAATACGAGAAGCTGGTGAGC						
		AGCGGCTTCCGAGAAAACGGCTCGAGCAGCGACAACCCTTCCTCTCCCGAGTTTTTTCATGTGXXXXXXXXXX						
		1060	1070	1080	1090	1100	1110	1120
mouse maf cod		AAGCGGCTTCCGAGAAAACGGCTCGAGCAGCGACAACCCTTCCTCTCCCGAGTTTTTTCATGTGXXXXXXXXXX						
human maf cod		AAGCGGCTTCCGAGAAAACGGCTCGAGCAGCGACAACCCTTCCTCTCCCGAGTTTTTTCATGTGXXXXXXXXXX						
		XX						
		1130	1140	1150	1160	1170	1180	1190
mouse maf cod		CTCGCAAGTTGGAGCCATCAGTGGGATACGCCACATTTTGGGAAGCCCCAGCATCGTGACTTACCAGTGT						
human maf cod		CTCGCAAGTTGGAGCCATCAGTGGGATACGCCACATTTTGGGAAGCCCCAGCATCGTGACTTACCAGTGT						
		XXXXXXXXXXXXXXXXXX						
		1200						
mouse maf cod		GTTACAAAAATGA						
human maf cod		GTTACAAAAATGA						

FIGURE 1B

		MASELAMNSDLPTSPLAMEYVNDFDLMKFEVKKEPVETDRIISQCGRLIAGGSLSSSTPMSTPCSSVPPS							
		10	20	30	40	50	60	70	
mouse	c-maf t	MASELAMNSDLPTSPLAMEYVNDFDLMKFEVKKEPVETDRIISQCGRLIAGGSLSSSTPMSTPCSSVPPS							SEQ ID NO:4
human	c-maf t	MASELAMNSDLPTSPLAMEYVNDFDLMKFEVKKEPVETDRIISQCGRLIAGGSLSSSTPMSTPCSSVPPS							SEQ ID NO:2
		PSFSAPSPGSGGEQKAHLEDYYWMTGYPOQLNPEALGFSPEDAVEALISNSHQLOGGFDGYARGAQQQLAA							
		80	90	100	110	120	130	140	
mouse	c-maf t	PSFSAPSPGSGGEQKAHLEDYYWMTGYPOQLNPEALGFSPEDAVEALISNSHQLOGGFDGYARGAQQQLAA							SEQ ID NO:4
human	c-maf t	PSFSAPSPGSGGEQKAHLEDYYWMTGYPOQLNPEALGFSPEDAVEALISNSHQLOGGFDGYARGAQQQLAA							SEQ ID NO:2
		AAGAGAGASLGGSGEEMGPAAAVVSAVIAAAAAQSGAGPHYHHHHHHHAAGHHHHHTAGAPGAAGGAAASA							
		150	160	170	180	190	200	210	
mouse	c-maf t	AAGAGAGASLGGSGEEMGPAAAVVSAVIAAAAAQSGAGPHYHHHHHHHAAGHHHHHTAGAPGAAGGAAASA							SEQ ID NO:4
human	c-maf t	AAGAGAGASLGGSGEEMGPAAAVVSAVIAAAAAQSGAGPHYHHHHHHHAAGHHHHHTAGAPGAAGGAAASA							SEQ ID NO:2
		GGAGGAGGGGPASVGGGGGGGGGGGGGGGAGGALHPHHHAAGGLHFDDRFSDEQLVTMSVRLNRQLRGVSK							
		220	230	240	250	260	270	280	
mouse	c-maf t	GGAGGAGGGGPASVGGGGGGGGGGGGGGGAGGALHPHHHAAGGLHFDDRFSDEQLVTMSVRLNRQLRGVSK							SEQ ID NO:4
human	c-maf t	GGAGGAGGGGPASVGGGGGGGGGGGGGGGAGGALHPHHHAAGGLHFDDRFSDEQLVTMSVRLNRQLRGVSK							SEQ ID NO:2
		EEVIRLKQKRRTLKNRGYAQSCRFRVQQRHVLESEKNQLLQQVDHLKQEIISRLVRERDAYKEYEKLVS							
		290	300	310	320	330	340	350	
mouse	c-maf t	EEVIRLKQKRRTLKNRGYAQSCRFRVQQRHVLESEKNQLLQQVDHLKQEIISRLVRERDAYKEYEKLVS							SEQ ID NO:4
human	c-maf t	EEVIRLKQKRRTLKNRGYAQSCRFRVQQRHVLESEKNQLLQQVDHLKQEIISRLVRERDAYKEYEKLVS							SEQ ID NO:2
		SGFRENGSSSDNPSSPEFFITEPTRKLEPSVGYATFWKPQHRVLTSVFTK-							
		360	370	380	390	400			
mouse	c-maf t	SGFRENGSSSDNPSSPEFFITEPTRKLEPSVGYATFWKPQHRVLTSVFTK-							SEQ ID NO:4
human	c-maf t	SGFRENGSSSDNPSSPEFFITEPTRKLEPSVGYATFWKPQHRVLTSVFTK-							SEQ ID NO:2

SEQ ID NO:4

SEQ ID NO:2

SEQ ID NO:4

SEQ ID NO:2

SEQ ID NO:4

SEQ ID NO:2

SEQ ID NO:4

SEQ ID NO:2

SEQ ID NO:4

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SEQ ID NO:4

SEQ ID NO:2

FIGURE 2